

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1547	100.0	1547	6	AX026529	AX026529 Sequence
2	1547	100.0	1547	9	HS4245709	AI245709 Homo sapi
3	1545.4	99.9	1708	9	AF124141	AF124141 Homo sapi
4	1537.9	99.4	2811	9	AF135794	AF135794 Homo sapi
5	1434.4	92.7	1436	6	AX026530	AX026530 Sequence
6	1364.8	88.2	1570	6	AX056819	AX056819 Sequence
7	1364.8	88.2	1564	9	HS8801048	AI17525 Homo sapi
8	1364.8	88.2	1695	9	AY005799	AY005799 Homo sapi
9	1358.8	87.8	1760	10	AF124142	AF124142 Homo sapi
10	1234.8	79.8	1548	10	RATRCPCPKG	D49836 Rat mRNA for
11	850.6	55.0	2277	5	AF039943	AF039943 Gallus ga
12	789.2	51.0	1808	5	AF317656	AF317656 Xenopus l
13	789.2	48.8	3536	14	RATKATPA	M80675 AKR1 provir
14	751.4	48.6	2626	10	NMSTPK	X65667 M.musculus
15	746.6	48.3	1513	10	MSRAC	M94335 Mus musculus
16	729	47.1	1617	10	RATRPKAA	D30040 Rat mRNA fo
17	722.4	46.7	2738	6	BC000479	BC000479 Homo sapi
18	721.2	46.6	2184	6	AB4523	AB4523 Sequence 13
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23	716.4	46.3	2181	6	AB4455	AB4455 Sequence 70
24	698.4	45.1	1691	4	BTPKXB	X61036 B.taurus mR
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26	664.6	43.0	1984	10	RATRPKBB	D30041 Rat mRNA fo
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29	604.4	39.1	1254	9	HSPKBR	X61037 H.sapiens m
30	458.8	29.7	3647	3	DMNAK1	Z26242 D.melanogas
31	403	26.1	403	6	AR130009	AR130009 Sequence
32	385.2	24.9	2119	6	AF072379	AF072379 Caenorhab
33	383.8	24.8	387	6	AR130010	AR130010 Sequence
34	379.4	24.5	2134	6	AF072380	AF072380 Caenorhab
35	367.2	23.7	816	5	AF181260	AF181260 Gallus ga
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37	313	20.2	1632	9	BC001737	BC001737 Homo sapi
38	290.2	18.8	310779	2	AC005140	AC005140 Plasmodiu
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Query Match 100.0%: Score 1547; DB 6; Length 1547;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1547; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 REFERENCE 1 (bases 1 to 1547)
 Maure, S., Hefner, B., Wesselink, J.J., Hofnagel, E., Mortier, E., Verhassel, P., Tuytelaars, A., Gordon, R., and Richardson, A.
 Molecular cloning, expression and characterization of the human serine/threonine kinase Akt-3
 Eur. J. Biochem. 265 (1), 353-360 (1999)
 JOURNAL
 MEDLINE 99421751
 REFERENCE 2 (bases 1 to 1547)
 Maure, S.L.
 Direct Submission
 Submitted (25-AUG-1999) Maure S.L., Biotechnology & High-Throughput Screening, Janssen Research Foundation, Turnhoutseweg 30, B-2340 Beerse and at Ser472 necessary for activation, Phosphorylation at Thr305 and at Ser472 necessary for activation.
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Query Match 100.0%; Score 1547; DB 9; Length 1547;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1547; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DEFINITION Homo sapiens protein kinase B gamma mRNA, complete cds.
ACCESSION AF124141
VERSION AF124141.1 GI:4757578
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SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 1708)

AUTHORS Brodebeck, D., Cron, P. and Hemmings, B.A.
TITLE A human protein kinase Bgamma with regulatory phosphorylation sites
in the activation loop and in the C-terminal hydrophobic domain
JOURNAL J. Biol. Chem. 274 (14), 9133-9136 (1999)
REFERENCE 99194749
MEDLINE 2 (bases 1 to 1708)
AUTHORS Brodebeck, D., Cron, P. and Hemmings, B.A.
TITLE Direct Submission
JOURNAL Submitted (27-JAN-1999) Friedrich Miescher-Institut,
Mannheimstrasse 66, Basel 4058, Switzerland

FEATURES

source

1. 1708

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13. 1452

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BASE COUNT

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ORIGIN

Query Match 99.9%: Score 1545.4; DB 9; Length 1708;
Best Local Similarity 99.9%: Pred. No. 0;

Matches 1546: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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LOCUS AF135794 2811 bp mRNA PRI 03-APR-2000
DEFINITION Homo sapiens AKT3 protein kinase mRNA, complete cds.

ACCESSION AF135794
 VERSION AF135794.1 GI:4574743
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 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 2811)
 AUTHORS Nakatani, K., Sakaue, H., Thompson, D.A., Weigel, R.J. and Roth, R.A.
 TITLE Identification of a human Akt3 (protein kinase B gamma) which contains the regulatory serine phosphorylation site
 JOURNAL Biochem. Biophys. Res. Commun. 257 (3), 906-910 (1999)
 MEDLINE 99225329
 PUBMED 10208883
 REFERENCE 2 (bases 1 to 2811)
 AUTHORS Thompson, D.A., Nakatani, K. and Sakaue, H.
 TITLE Direct Submission
 JOURNAL Submitted (18-MAR-1999) Surgery, MSLS Building, Room P228, 1201 Welch Road, Stanford, CA 94305, USA
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Q501.B4

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LOCUS Sequence 2 from Patent WO0037613.
DEFINITION AX026530
ACCESSION AX026530.1 GI:10187718
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SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 1436)
AUTHORS Masure, S.L. and Richardson, A.
TITLE Human akt-3
JOURNAL Patent: WO 0037613-A 2 29-JUN-2000;
MASURE STEPHAN LEO JOSEF (BE); RICHARDSON ALAN (BE); JANSSEN
PHARMACEUTICA NV (BE)
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LOCUS Sequence 1 from Patent WO0077190.
DEFINITION AX056819
ACCESSION AX056819.1 GI:12309760
VERSION
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 1570)
AUTHORS Guo, K., Ivashchenko, Y. and Clark, K.

Analysis of 500 Novel Complete Protein Coding Human cDNAs
Genome Res. 11 (3), 422-435 (2001)
11220156

PUBMED

REFERENCE

AUTHORS

TITLE

COMMENT

Analysis of 500 Novel Complete Protein Coding Human cDNAs
Genome Res. 11 (3), 422-435 (2001)
11230165
2 (bases 1 to 1584)
Poustka A., Klein, M., Mewes, H.W., Gassenhuber, J. and Wiemann, S.
Direct Submission
Submitted (15-SEP-1999) MIPS, Am Klopferstutz 18a, D-82152
Martinsried, GERMANY
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ), Email s.wiemann@dkfz-heidelberg.de;
sequenced by DKFZ (German Cancer Research Center,
Heidelberg/Germany) within the cDNA sequencing consortium of the
German genome project.
This clone (DKFZp34N0250) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14055
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de. Further
information about the clone and the sequencing project is available
at <http://www.mips.biochem.mpg.de/proj/cDNA/>.

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99.98;	Pred. No. 4

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LOCUS Homo sapiens protein kinase B gamma 1 (AKT3) mRNA, complete cds.
DEFINITION alternatively spliced.
ACCESSION AY005799
VERSION AY005799.1 GI:15072339
KEYWORDS human.
SOURCE Homo sapiens
ORGANISM
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
AUTHORS Brodbeck, D., Hill, M.M. and Hemmings, B.A.
TITLE Two Splice Variants of Protein Kinase B gamma Have Different Regulatory Capacity Depending on the Presence or Absence of the Regulatory Phosphorylation Site Serine 472 in the Carboxyl-terminal Hydrophobic Domain
JOURNAL J. Biol. Chem. 276 (31), 29550-29558 (2001)
PUBMED 11387345
REFERENCE 2 (bases 1 to 1695)
AUTHORS Brodbeck, D., Cron, P., Scharm, B. and Hemmings, B.A.
TITLE Direct Submission
JOURNAL Submitted (26-JUL-2000) Biochemistry, Friedrich Miescher-Institute, P.O. Box 2543, Basel 4002, Switzerland
FEATURES
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1. 1695
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BASE COUNT 572 a 315 c 383 g 425 t
ORIGIN

Query Match 88.2%; Score 1364.8; DB 9; Length 1695;
Best Local Similarity 98.4%; Pred. No. 4.3e-304;
Matches 1378; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

DB 1 1695
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DB 64
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DB 124
ATATATATAAAAGTGAAGCCAGATGATCTTCCTTTGAAGACAGATGGCTCATTTATAG 183
DB 121
atataaagaagaacctcaagatgtagatttaactcctcctcaacaactttcagtgac 180
DB 184
ATATTAAGAGAAAGCTCAAGATGTGATTTACCTTATCCCTCAACAACCTTTTCAGTGC 243

QY 161 aaatgccagtttaataaagaacagacgacccaaagccaaacacattataatcagatgctc 240
DB 244
AAAAATGCCAGTTAAATGAAGAAACAGACCAAGCAAGCAACATTTATTAATCAGATGCT 303
QY 241 ccagtggactactgtctatagaagaacattcattatgatactccagagaagaagaaga 300
DB 304
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QY 301 atggaacagaagctaccagctgtagcagacagactgcaagggcaagaagaagaagaat 360
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QY 361 gaattgtatgccaaactcacaattgataataatagaagaagaagaatgtagctctac 420
DB 424
GAATTTGATGTCACACTTACAAATTTGAATTAATAGAGAGAGAGAGATGCTCTTAC 483
QY 421 aaccatcataaagaagaacagatgattgattgactattgaaactactagatgaag 480
DB 484
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QY 481 caacttgggaagattatttggltcgagaagaagcaagtggaaataactatgctatga 540
DB 544
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QY 541 gattctgagaagaagaagtcattatgcaagaagatgaagtgcacacactcctaactgaag 600
DB 604
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QY 601 cagaatataaagaacactagacatccctttaaactccttgaataatctctccaaac 660
DB 664
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DB 724
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DB 784
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QY 781 tgccttggaactacacatccgagaagaatgtagcagttatcccaagttgagaatct 840
DB 844
TGCTTGGAGTATATCATCTACATTCGCGAAGATTTGATGATGATGATGATGATGAT 903
QY 841 aatgctggaagaagaatggaacacataaataaactaagatttgaacttgcagaagaagat 900
DB 904
AATGCTGGAAGAAAGATGCGCCACATTAATTAAGATTTTGACTTTCAGAAAGAGAT 963
QY 901 caccagatgacgacacacagagaagacttctgagacactcagaatatctgacacagaagt 960
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DB 1144
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QY 1141 ttaaggtcttgaataaagatccaaataaagccttggtagaagaacagatgtagcaaa 1200
DB 1204
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DB 1264
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QY 1261 gcttgacacctctttaaaccctcaagtaacatcttgagacagatactatatttgatga 1320
 DB 1324 GCTTGACCTCTTTTAAACCTCAAGTAACATCTGAGACAGATAGATATTTTGATGA 1383
 QY 1321 agatttacagctcagactcttacaatacaccactgaaaataatgatagagatggtat 1380
 DB 1384 AGAATTTACAGCTCAGACTTATTAATAATACACCACTGAAAATGTGCAGAACTCAGATTG 1443
 QY 1381 gacatgacagacatgaga 1400
 DB 1444 TGGCATGCTGGTGAACGGA 1463

RESULT 9
 AF124142 1760 bp mRNA ROD 07-MAY-1999
 LOCUS AF124142 Mus musculus protein kinase B gamma mRNA, complete cds.
 DEFINITION AF124142
 ACCESSION AF124142.1 GI:4757580
 VERSION AF124142.1
 KEYWORDS house mouse.
 SOURCE Mus musculus.
 ORGANISM Mus musculus.
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 REFERENCE 1 (bases 1 to 1760)
 Brodebeck, D., Cron, P. and Hemmings, B.A.
 A human protein kinase Bgamma with regulatory phosphorylation sites
 in the activation loop and in the C-terminal hydrophobic domain
 J. Biol. Chem. 274 (14), 9133-9136 (1999)
 JOURNAL 99194749
 MEDLINE 2 (bases 1 to 1760)
 Brodebeck, D., Cron, P. and Hemmings, B.A.
 Direct Submision
 Submitted (27-JAN-1999) Friedrich Miescher-Institut,
 Maulbeerstrasse 66, Basel 4058, Switzerland
 JOURNAL
 AUTHORS
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 JOURNAL
 FEATURES
 Source
 1. 1760
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 37. 1476
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 BASE COUNT 546 a 352 c 402 g 460 t
 ORIGIN

Query Match 87.8% Score 1358.8; DB 10; Length 1760;
 Best Local Similarity 93.2% Pred. No. 1e-302; Indels 4; Gaps 2;
 Matches 1444; Conservative 0; Mismatches 102;

QY 1 999agtcacatgagcagatgltacatctgtgaagaagcttggttcagaagaagagaga 60
 DB 27 GGGAGGCATCATGAGGATGTTACCTTGTGAAGAAGTTGGCTTCAGAAAGGGGAGA 86
 QY 61 atataataaaactggagagcaagatactctcttgaagacagatggtcatctataga 120
 DB 87 ATATATAAAAAACTGGAGGCCAAGATACCTCTTTGAGACAGAGATGCTCATTCATAG 146
 QY 121 atataaagaagaacctcaagatgltacatctatccctccacaacaactttcagtgac 180
 DB 147 CTATTAAGGAAACCTCAAGATGTGACTTACCTTATCCCTCAACAACTCTCACTGAGC 206

QY 181 aaatgcagtttaataaaacagaacgacacaaagccaaacacattataatcagatgtct 240
 DB 207 AAATGTCAGATTAAATGAAAACACAGACACCAAAAGCCAAATTAATATATCATGATGTCT 266
 QY 241 ccagttgactactgtctatagaagaacattctcatgtatagactccagagaagaagaga 300
 DB 267 TCAGTGGACCATCTGTATATAGAGAAACATTTTCATGTAGTACACAGAGAAAGAGAGA 326
 QY 301 atgacagaagaacctatccagctgttagcaacagactgcagagagcaagaagaagaagat 360
 DB 327 GTGGACGAGAGCTATCCAAAGCCGTAGCCGATTTGCAGAGCAAGAGAGAGAGAGAT 386
 QY 361 gaatttgaccacttccaaatgataataatagaagaagaagaatgtagtctctac 420
 DB 387 GAAATTTAGCCCACTCCACAGATTTATATATAGAGAAAGAGATGATGATGCTCTAC 446
 QY 421 aaccacataaagaagaacaaatgaatgatttgactattgaaactactagtaagaag 480
 DB 447 AACCCATCATAAAGAAAGACGATGAAATGATTTTGACTATTGAACTACTAGGTAAGG 506
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 DB 507 CACTTTTGGGAAAGTTATTTTGGTTGAGAGAAAGCGAAGTGAATAATCTATGCTATGAA 566
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 DB 627 CAGAGTACTTAAAGAACACACAGACATCCATTTTAAACATCTCTGAAATATTTCTCCAGAC 686
 QY 661 aaaaagccgttgggtgttgatgaaatgttaatgagagcagctgttttccattc 720
 DB 687 AAAAGACCGTTGTGTGTGTGATGGAATATGTAATGCGAGACCTGTTTTCATTT 746
 QY 721 gtccgaagaagcggtgtctctcgaagaagcgaagcttctcattgttcgaagaatgtctc 780
 DB 747 GTGAGAGAGAGAGTGTCTCTGAGAGACCGCACACGCTTCTATGTCGGAATATGTCTC 806
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 DB 807 TCGTTTGGACCTATCTACATTTCTGAAAGATGTGTACCGTATCTCAAGTTGAGAAATTT 866
 QY 841 aatgcgagcaagaatagtcacataaaatttcagaatttgaactttgaaagaagagat 900
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 QY 1081 aatatgaatggaagaacatataaattccctggaacactctctcagaatgcaaaatctgtct 1140
 DB 1107 AATACTAATGGAAGACATTAATTTCCCGGAACACTCTCTTACATGCAAAATTCATGTCT 1166
 QY 1141 ttcagggctcttgataaagaatccaaataaacyccttgggtgagagaccagatgtagcaaa 1200
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1261 gcttgaccctcttaaacctcaagtaacatctgagacagatgactatgattgata 1320
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1321 agaattcaagctcagactatatacaatacaccctgaaataatgataagatgatt 1380
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Db 1347 ACAATTACAGCTCAGACTATTAACAATAACACACCTGAAAGTATGACAGACGGCAT 1406
1381 gacatgcataagcaatgagagagcgccgacattccctcaatttccctactcgaagtg 1440
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1501 tgattcctggagacatc---accagctcagctcttacaacatgacagagagca 1547
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Db 1526 TGATTCTGAGCATCTCTACAGCTCTGCTCTTACAGTTAGCAGGAGGCA 1575

RESULT 10
RATRACPKG 1548 bp mRNA ROD 10-FEB-1999
LOCUS Rat mRNA for RAC protein kinase gamma, complete cds.
DEFINITION D49836
ACCESSION D49836
VERSION D49836.1 GI:1136777
KEYWORDS RAC-PK gamma; RAC protein kinase gamma.
SOURCE Rattus norvegicus brain cDNA to mRNA.
ORGANISM Rattus norvegicus
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
Rattus.
1 (bases 1 to 1548)
Konishi,H.
Direct Submission
Submitted (23-MAR-1995) to the DDBJ/EMBL/GenBank databases. Hiroaki
Konishi, Kobe University, Biosignal Research Center, Nada-ku
Rokkouda-cho 1-1, Kobe, Hyogo 657, Japan
(E-mail:hkonishi@imr.kobe-u.ac.jp, Tel:078-803-1255,
Fax:078-803-0994)
2 (bases 1 to 1548)
Kameyama,K., Haga,T. and Tanaka,M., Matsuzaki,H., Ono,Y.,
Konishi,H., Kuroda,S., Tanaka,M., Matsuzaki,H., Ono,Y.,
Molecular cloning and characterization of a new member of the RAC
protein kinase family: association of the pleckstrin homology
domain of three types of RAC protein kinase with protein kinase C
subspecies and beta gamma subunits of G proteins
Biochem. Biophys. Res. Commun. 216 (2), 526-534 (1995)
96063640

JOURNAL
MEDLINE
FEATURES
SOURCE
1. 1348
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47. 1411
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BASE COUNT 507 a 276 c 350 g 415 t
ORIGIN

Query Match 79.8%; Score 1234.8; DB 10; Length 1548;
Best Local Similarity 94.0%; Pred. No. 3.8e-274;
Matches 1284; Conservative 0; Mismatches 82; Indels 0; Gaps 0;

1 ggaagatcaatgaagcagctgttaccatctgtgaaagaaggttgctcgaagaaggagga 60
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Db 37 GGGAGCCATCATGACGATGATGTTACATGTTAAAGACATGCGTTGAGAGGGAGGA 96
61 atataaaacacagcagagcgaagatactccttcttgaagacagatgctcatcattagg 120
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Db 97 ATATATATAAAATTTGGAGGCCAAGATACCTCTTCTTGAAGACAGCGGCTCATTCATAGG 156
121 atataaagaagaacctcaagaatgtagattactatccctcccaacacttgcagtagc 180
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Db 157 CTATTAAGAGAACCTCAAGATGTGACTTACTTATCCCTCAACACTTCTCGTGTGC 216
181 aaaaagcagttatgaanaacagaaacgaacccaagccaacacattatcaatgctct 240
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241 ccagtgagactactgttataagagaacatttcaatgtagatactccaagagaaaggaga 300
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301 atgagacagaagctatccagcgtgtgtagcagacagactcgaagagagaagagagaat 360
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Db 337 ATGACAGAGCTATCCAGCTGTAGCCGATGACTGACGAGGACAGAGAGAGAGAT 396
361 gaattgtagtccaaatccaaatgataataaagaagaagaagaatgtagtgcctac 420
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Db 397 GAATGTGATCCAGCTCAGATGATTAATTTGGAGAGGAGAGATGATGATGATC 456
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Db 457 AACCCATATATAAAGAACACATGAATGATTTGATTTGAACAGCTGATGTAAGG 516
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Db 517 CACTTTTGGAGAGTTATTTTGGTTTCGAGAGAGGCAAGTGAATATCTACGCTATGA 576
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601 cagagatataaagaacactagacatcccttcttcaacatcccttgaataatccctccagac 660
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Db 757 GTCGAGAGAGCGCGGTCTCTGAGAGACGACACAGTTTCTATGATGAGAAATGTCTC 816
781 tgccttgacatactacatcccgaaagaatgtgtaacgtagatcctaagtgtgagaactc 840
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Db 817 TGCTTTGAGACTATCTACATTTCTGAAATATGTTGATCCGAGATCTCAAGTTGGAGAAATTT 876
841 aatgttgacaaagaatgagccacataaaatacagaatttggacttgcgaagaagagat 900
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Db 877 GATGCTAATATGAAGTGGCCATATATAAATTAAGGATTTTGGACTTTCAAAGAGGAT 936
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Db 1057 TGAATGATGTGGAGGTTGCTTCTACAAACAGATCATGAGAACTCTTTGACT 1116
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Db 1357 AGAATTACAGCTCAGACTATTAACATTAACACCACTGAAAGTGT 1402
RESULT 11
AF039943 2277 bp mRNA VRT 04-JAN-1998
LOCUS Gallus gallus serine/threonine protein kinase (akt1) mRNA, complete
DEFINITION cds
ACCESSION AF039943
VERSION AF039943.1 GI:2745888
KEYWORDS
SOURCE chicken.
ORGANISM Gallus gallus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae;
Phasianinae; Gallus.
1 (bases 1 to 2277)
Theelen,M., Swinkels,S.U.M., de Jong,M.D.M., Thomas,A.A.M.,
Verkelt,A.J., Hanafusa,H. and Humbel,B.
The differential expression of Akt during the cell cycle is
regulated at the translational level
Unpublished
2 (bases 1 to 2277)
Theelen,M., Kornbluth,S. and Hanafusa,H.
Direct Submission
Submitted (27-NOV-1997) Mol. Cell Biology, Utrecht University,
Padualaan 8, Utrecht 3584 CH, The Netherlands
FEATURES
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1..2277
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/db_xref="GI:2745888"
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FGKVLIVKEKATGRYAYAMILKKEVIVADEVAHTTERVONSHHPFLTALKYSFO
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GGGPDADKIMOHKEFFAGIVQDVGKLVPPPKPDVYSETDTRFDEDEFTAQMTITIT
PPDODDSMOCVNERPHEPFSYASGTA"
BASE COUNT 672 a 490 c 549 g 566 t
ORIGIN

Query Match 55.0%; Score 850.6; DB 5; Length 2277;
Best Local Similarity 76.0%; Pred. No. 1,1e-185;
Matches 1106; Conservative 0; Mismatches 334; Indels 15; Gaps 4;
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Db 460 GCCATTATGTAATGAAATAGACGATAGTGAAGGAGAGTGGCTCCACAAAGAGGAGATAT 519
Qy 65 ataaaaacgtggagcgcaagatactctcctttgaaacagatggccatcatagatat 124
Db 520 ATCAAAAACATGAGGCGCAGCGTATTTCTTTTAAACAATCAATGCGACATTCATGGCTAC 579
Qy 125 aagaagaacctcaagatggtgattac---ctatccctcaaaccttctgaaggca 181
Db 580 AAGGACGACCGGCAAGACGTTGACCAACGAGATTCACCTTTAATATCTTCTCAGTAGCT 639
Qy 182 aaatgccaglttaagaaacagaaacgaacgaacaaacatltataatcagatgctc 241
Db 640 CAGTGCAGCTGATGAAGACAGAACGACCTAAACCAACATTTATCATAGATGCCCTC 699
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RESULT 12
AF317656 1808 bp mRNA VRT 26-JAN-2001

LOCUS AF317656
DEFINITION Xenopus laevis Akt mRNA, complete cds.
ACCESSION AF317656
VERSION AF317656.1 GI:12539653
KEYWORDS
SOURCE African clawed frog.
ORGANISM Xenopus laevis
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidae; Pipidae;
Xenopodinae; Xenopus.

REFERENCE
AUTHORS Andersen,C.B., Sakabe,H., Roth,R.A. and Conti,M.
TITLE The protein kinase B/Akt is required for resumption of meiosis in
Xenopus oocytes
JOURNAL Unpublished

REFERENCE
AUTHORS Andersen,C.B. and Conti,M.
TITLE Direct Submission
JOURNAL Submitted (31-OCT-2000) Obstetrics and Gynecology, Stanford
University, 300 Pasteur Dr., Stanford, CA 94305-5317, USA

FEATURES
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Best Local Similarity 73.8%; Pred. No. 1.6e-171;
Matches 1075; Conservative 0; Mismatches 363; Indels 18; Gaps 5;

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DEFINITION	M_musculus mRNA for serine-threonine protein kinase.		11-MAR-1993
ACCESSION	X65687		
VERSION	X65687.1	GI:287806	
KEYWORDS	protein kinase; serine/threonine protein kinase.		
SOURCE	house mouse.		
ORGANISM	Mus musculus		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheraia; Rodentia; Sciurognathi; Muridae; Murinae; Mus.		
TITLE	1 (bases 1 to 2626)		
JOURNAL	Bellacosca, A.		
REFERENCE	Submitted (24-ARR-1992) A. Bellacosca, Fox Chase Cancer Center, 7701		
AUTHORS	Burholme Ave., Philadelphia PA 19111, USA		
TITLE	2 (bases 1 to 2626)		
JOURNAL	Bellacosca, A., Franke, T.F., Gonzalez-Portal, M.E., Datka, K.,		
REFERENCE	Teguchil, T., Gardner, J., Cheng, J.O., Testa, J.R. and Tschlis, P.N.		
AUTHORS	Structure, expression and chromosomal mapping of c-akt:		
TITLE	relationship to v-akt and its implications		
JOURNAL	Oncogene 8 (3), 745-754 (1993)		
FEATURES	93173519		
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Best Local Similarity 71.8%; Pred. No. 7.9e-163;
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Db 1715 GGCACAGCCTGAGGC 1729

RESULT 15
LOCUS MUSRAC 1513 bp mRNA ROD 24-MAY-1994
DEFINITION Mus musculus protein kinase mRNA, complete cds.
ACCESSION M94335
VERSION M94335.1 GI:200641
KEYWORDS protein kinase.
SOURCE Mus musculus CDNA to mRNA.
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sclurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 1513)
AUTHORS Bousquets,X. and Powell,C.T.
TITLE Complete nucleotide coding sequence for murine rac (related to A
and C kinases) protein kinase
JOURNAL Unpublished
FEATURES
Source 1..1513
Location/Qualifiers

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Matches 1041; Conservative 0; Mismatches 399; Indels 15; Gaps 4;

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